

FIG. 1

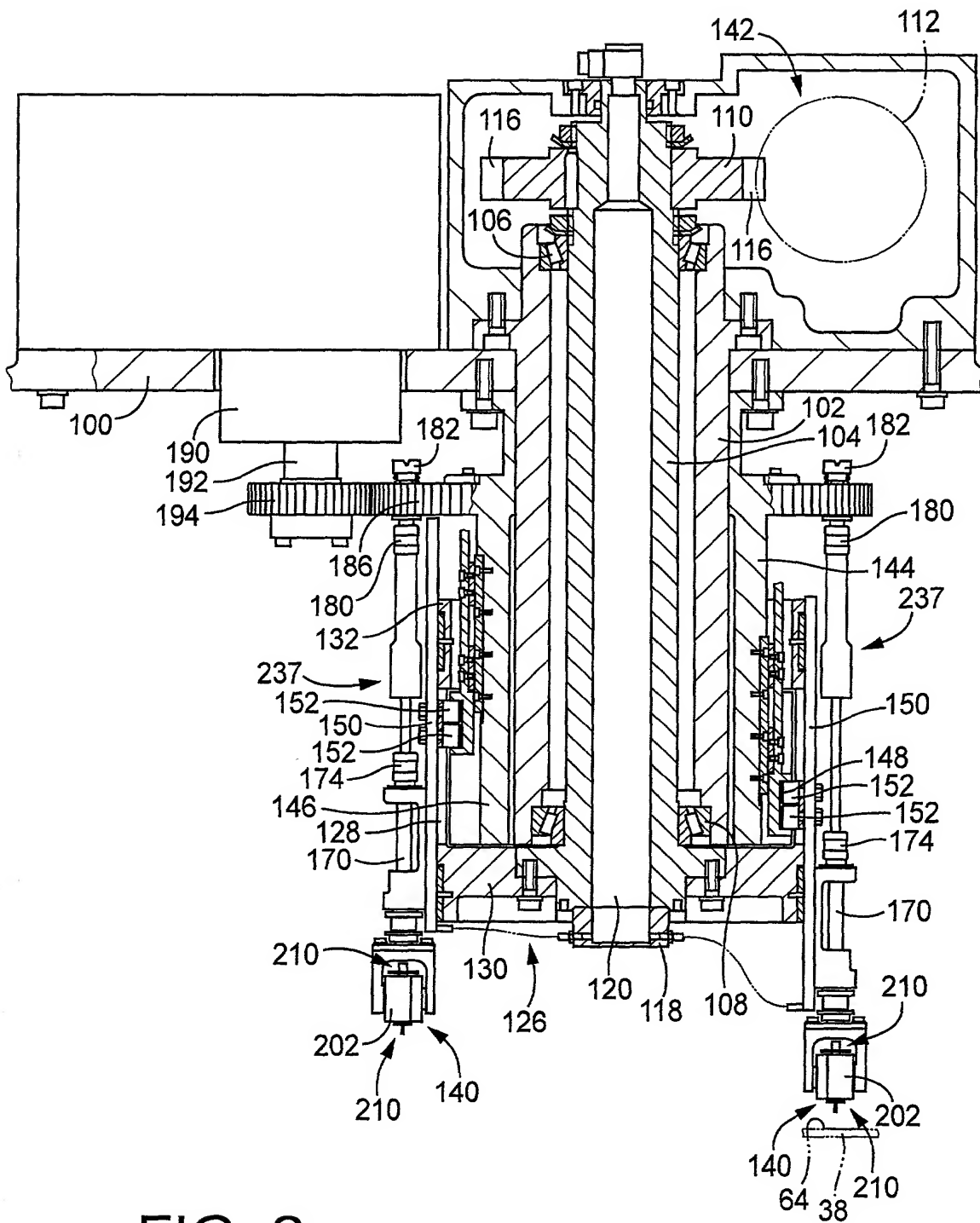
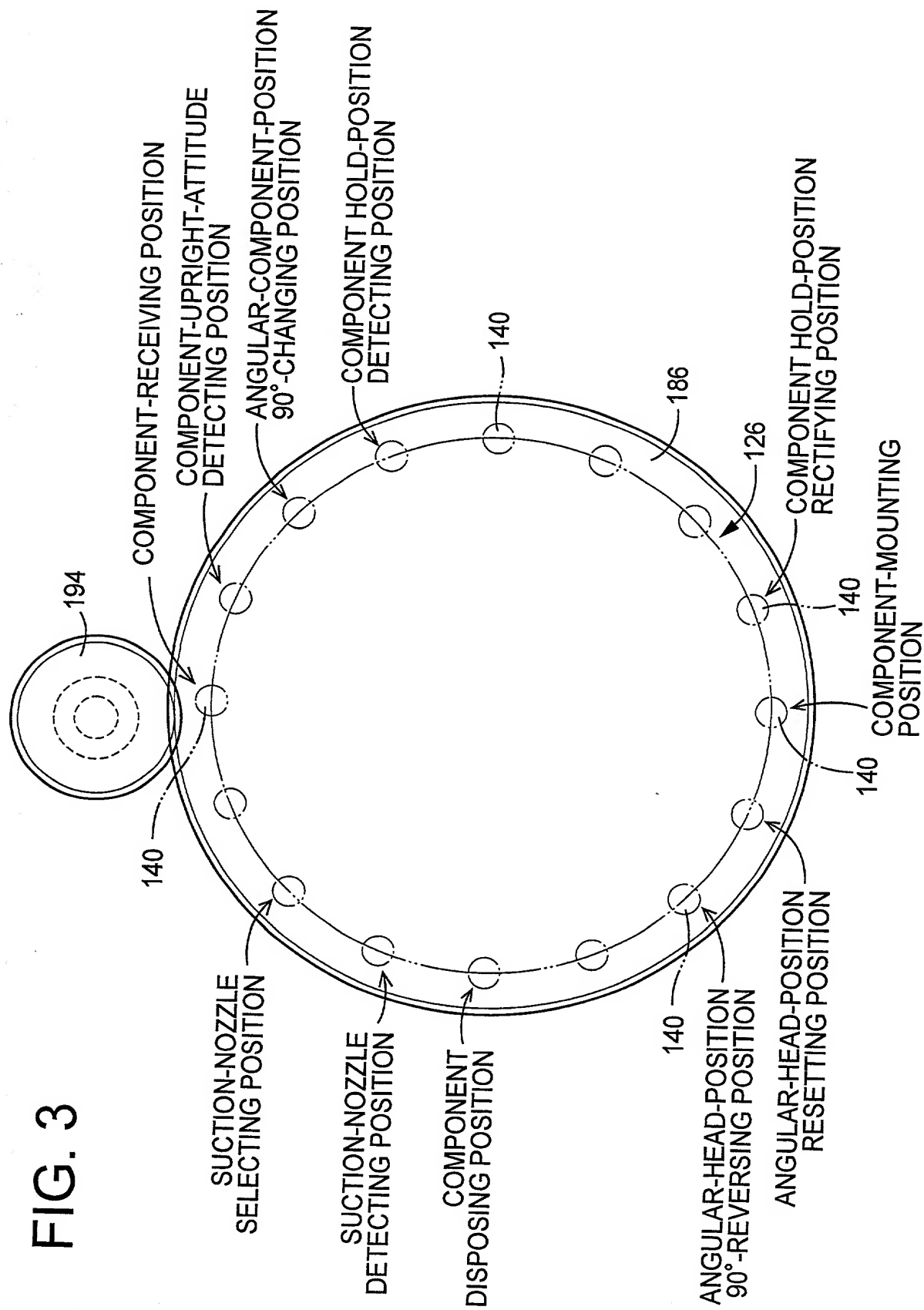


FIG. 2

FIG. 3



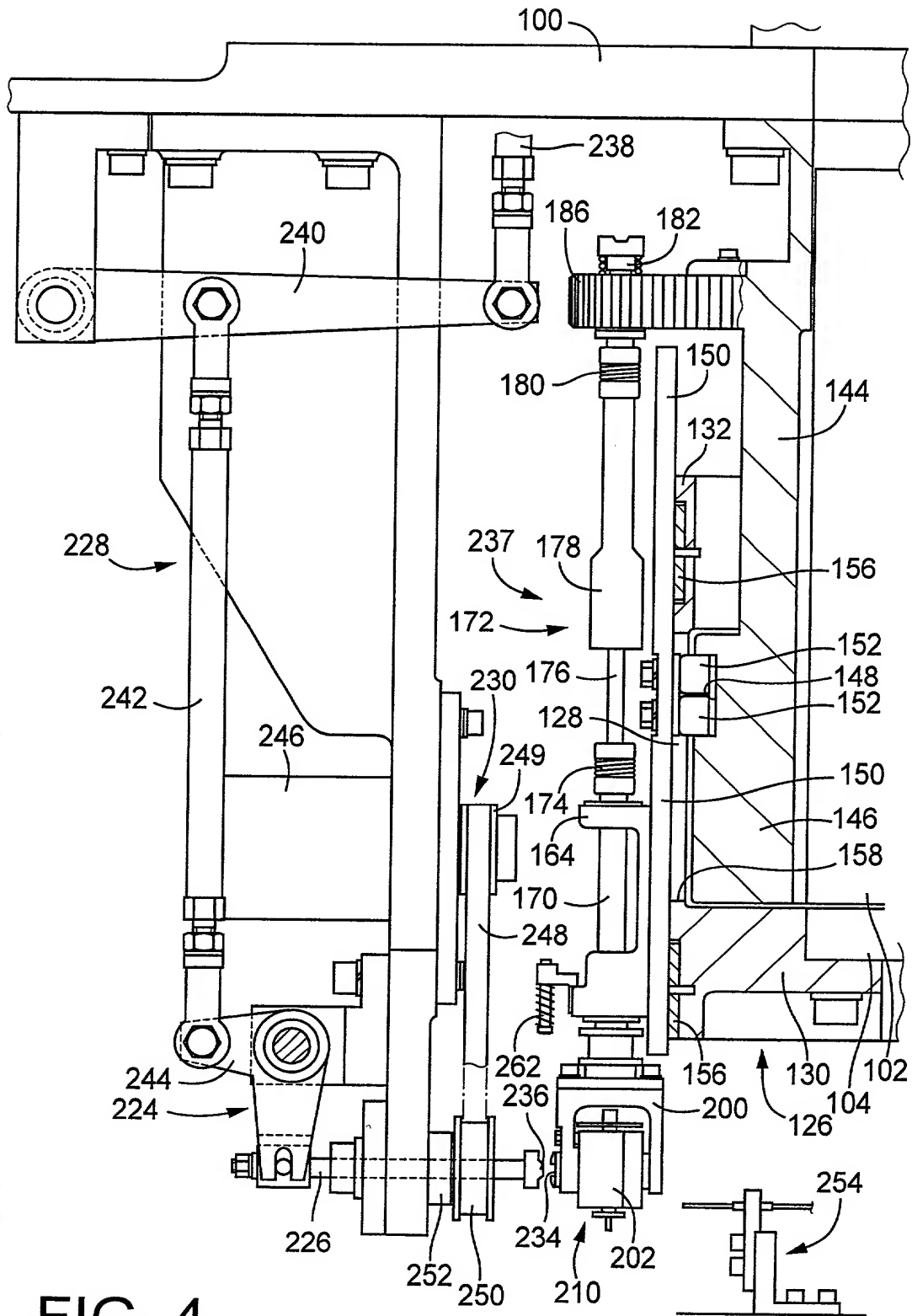
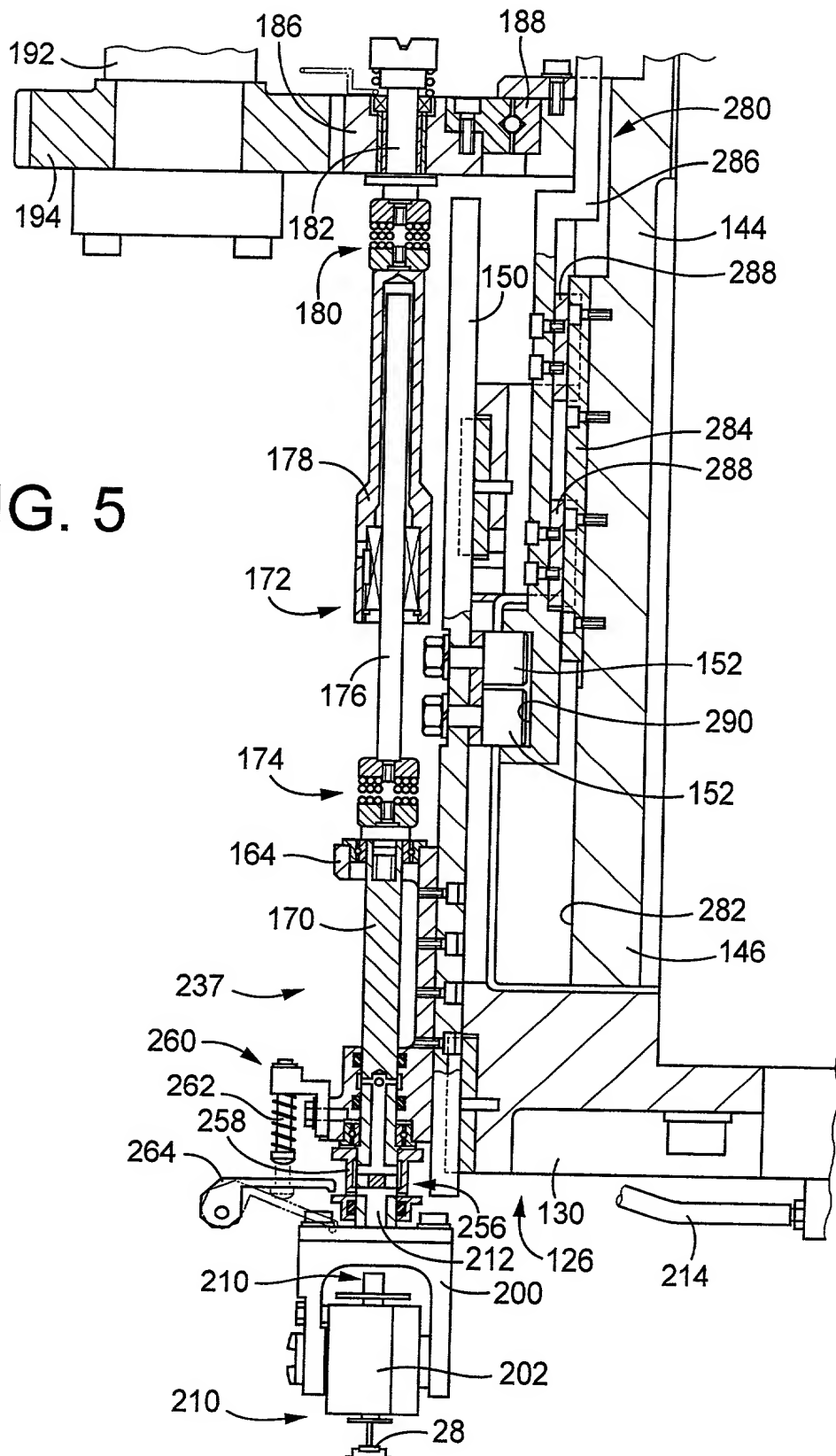


FIG. 4

FIG. 5



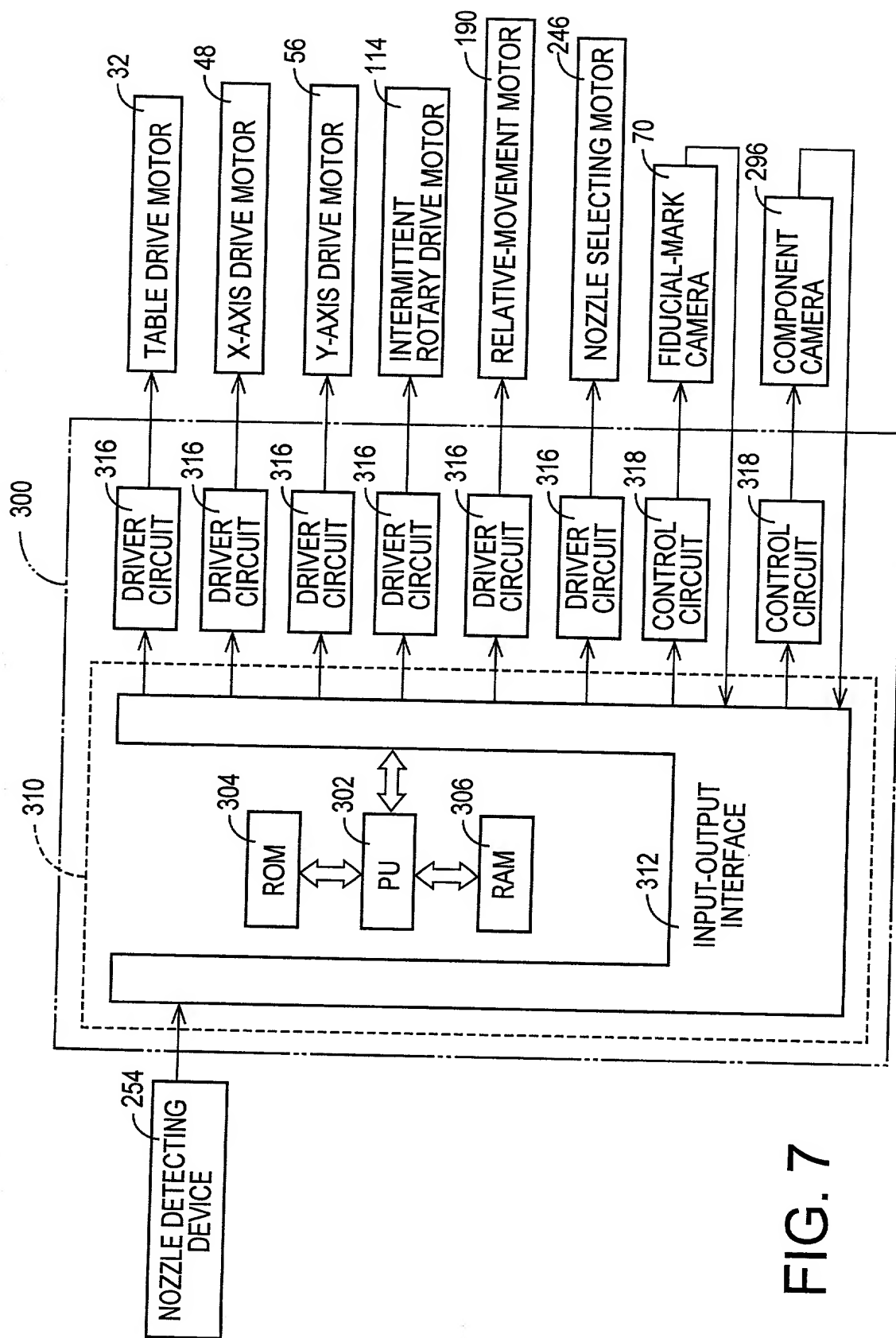


FIG. 8

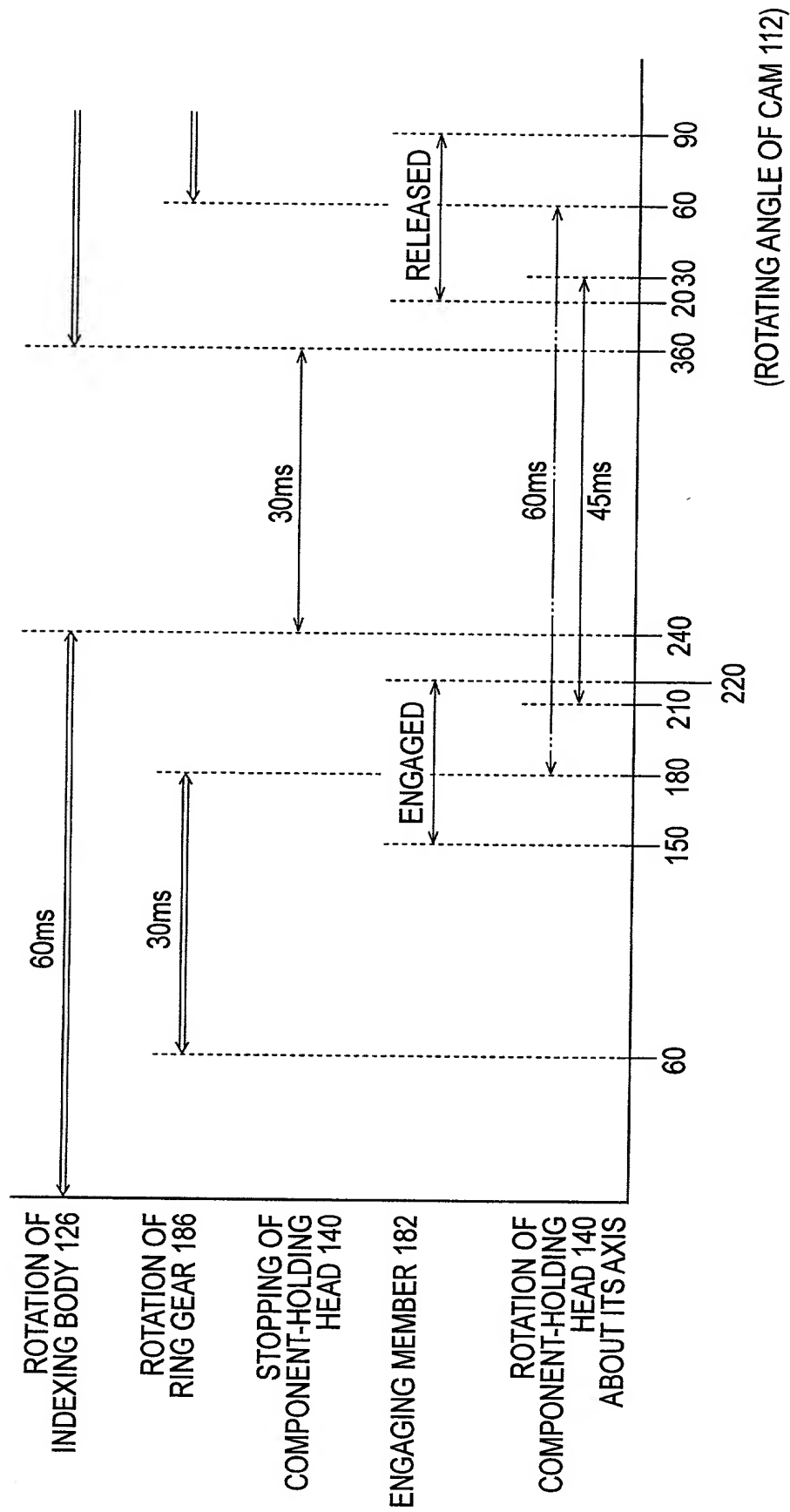


FIG. 9

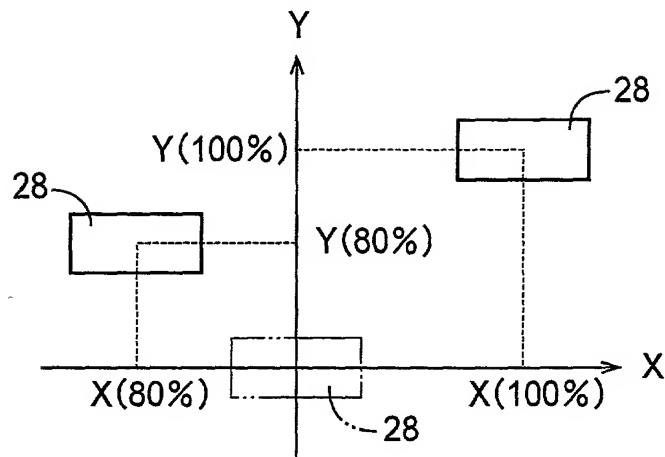


FIG. 10

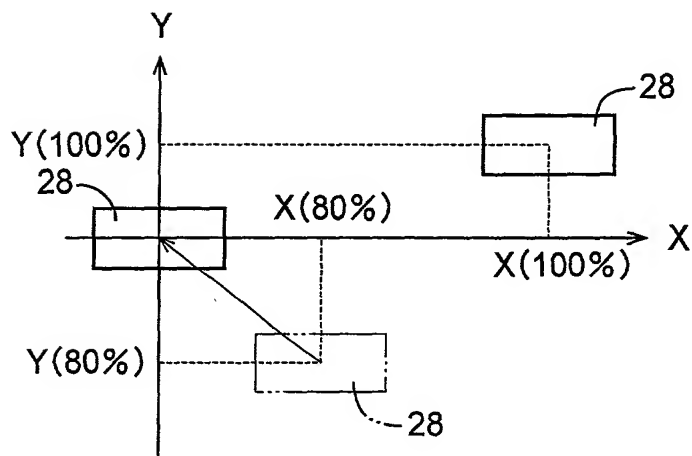


FIG. 11

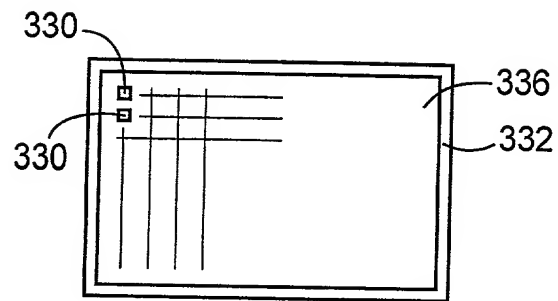


FIG. 12

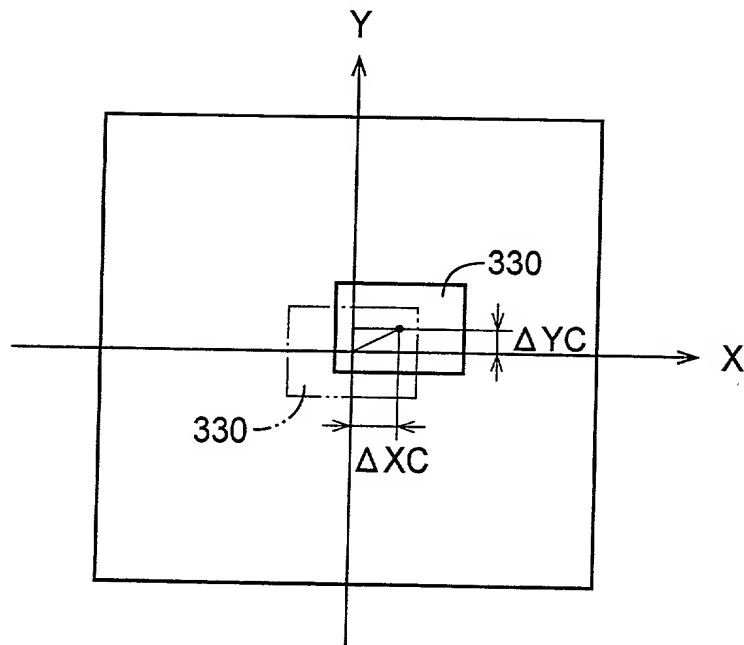


FIG. 13

COMPONENT-HOLDING HEAD 140	SUCTION NOZZLE 210	POSITIONING ERROR DETECTED AT 100% SPEED OF CAM 114	POSITIONING ERROR DETECTED AT 80% SPEED OF CAM 114
1	A	$\Delta XCA1, \Delta YCA1$	$\Delta XCA'1, \Delta YCA'1$
	B	$\Delta XCB1, \Delta YCB1$	$\Delta XCB'1, \Delta YCB'1$
	C	$\Delta XCC1, \Delta YCC1$	$\Delta XCC'1, \Delta YCC'1$
	D	$\Delta XCD1, \Delta YCD1$	$\Delta XCD'1, \Delta YCD'1$
	E	$\Delta XCE1, \Delta YCE1$	$\Delta XCE'1, \Delta YCE'1$
	F	$\Delta XCF1, \Delta YCF1$	$\Delta XCF'1, \Delta YCF'1$
2	A	$\Delta XCA2, \Delta YCA2$	$\Delta XCA'2, \Delta YCA'2$
	B	$\Delta XCB2, \Delta YCB2$	$\Delta XCB'2, \Delta YCB'2$

FIG. 14

<div> SPEED OF CAM 112 DURING MOVEMENT OF HEAD 140 </div> <div> SPEED OF CAM 112 DURING STOPPING OF HEAD 140 </div>	100%	80%	60%
	100%		
100%	POSITIONING ERROR DETECTED AT 100% SPEED OF CAM 114	POSITIONING ERROR DETECTED AT 80% SPEED OF CAM 114	POSITIONING ERROR DETECTED AT 80% SPEED OF CAM 114
80%	POSITIONING ERROR DETECTED AT 80% SPEED OF CAM 114	POSITIONING ERROR DETECTED AT 80% SPEED OF CAM 114	POSITIONING ERROR DETECTED AT 80% SPEED OF CAM 114
60%	POSITIONING ERROR DETECTED AT 80% SPEED OF CAM 114	POSITIONING ERROR DETECTED AT 80% SPEED OF CAM 114	POSITIONING ERROR DETECTED AT 80% SPEED OF CAM 114

FIG. 15

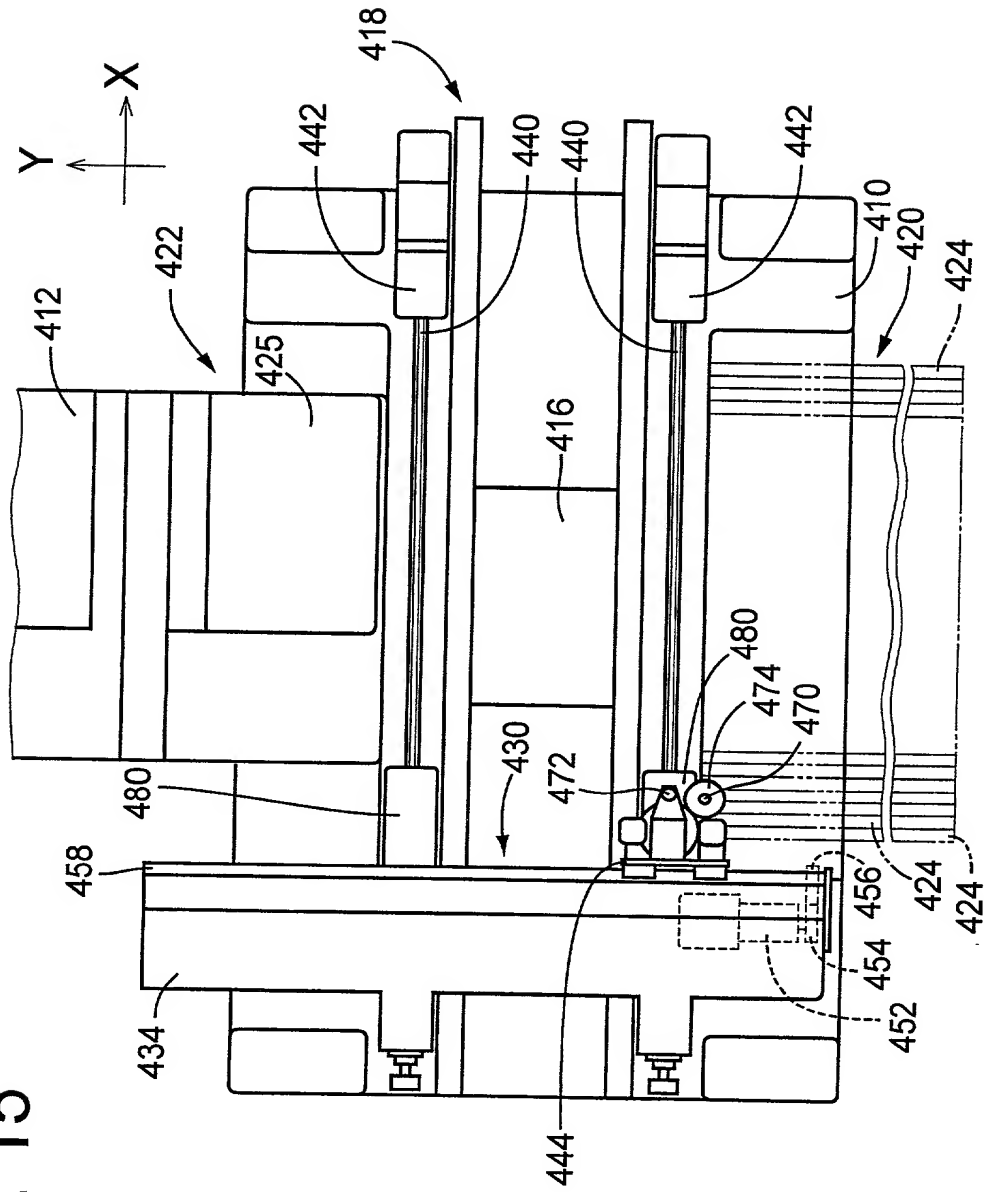
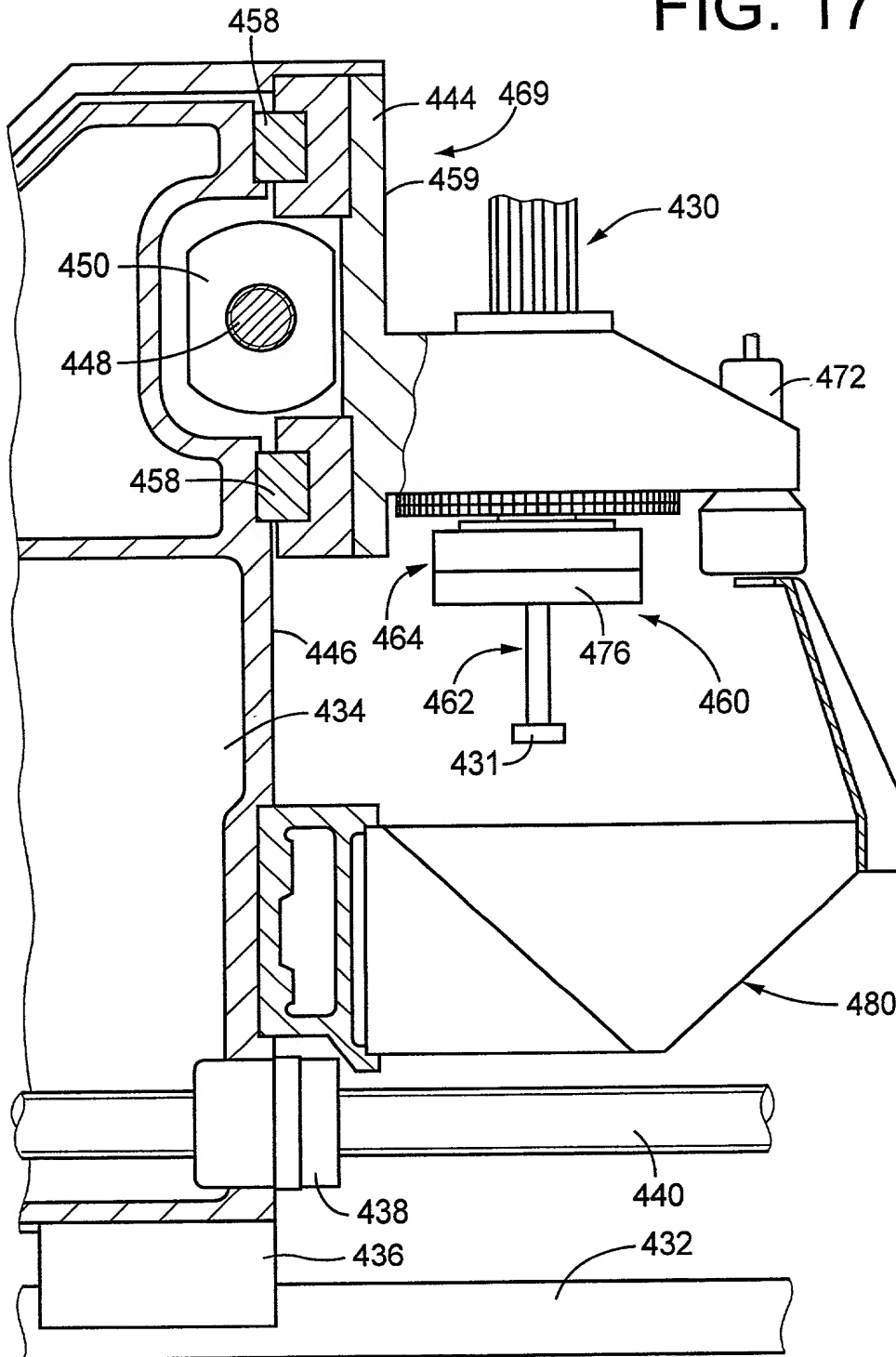


FIG. 17



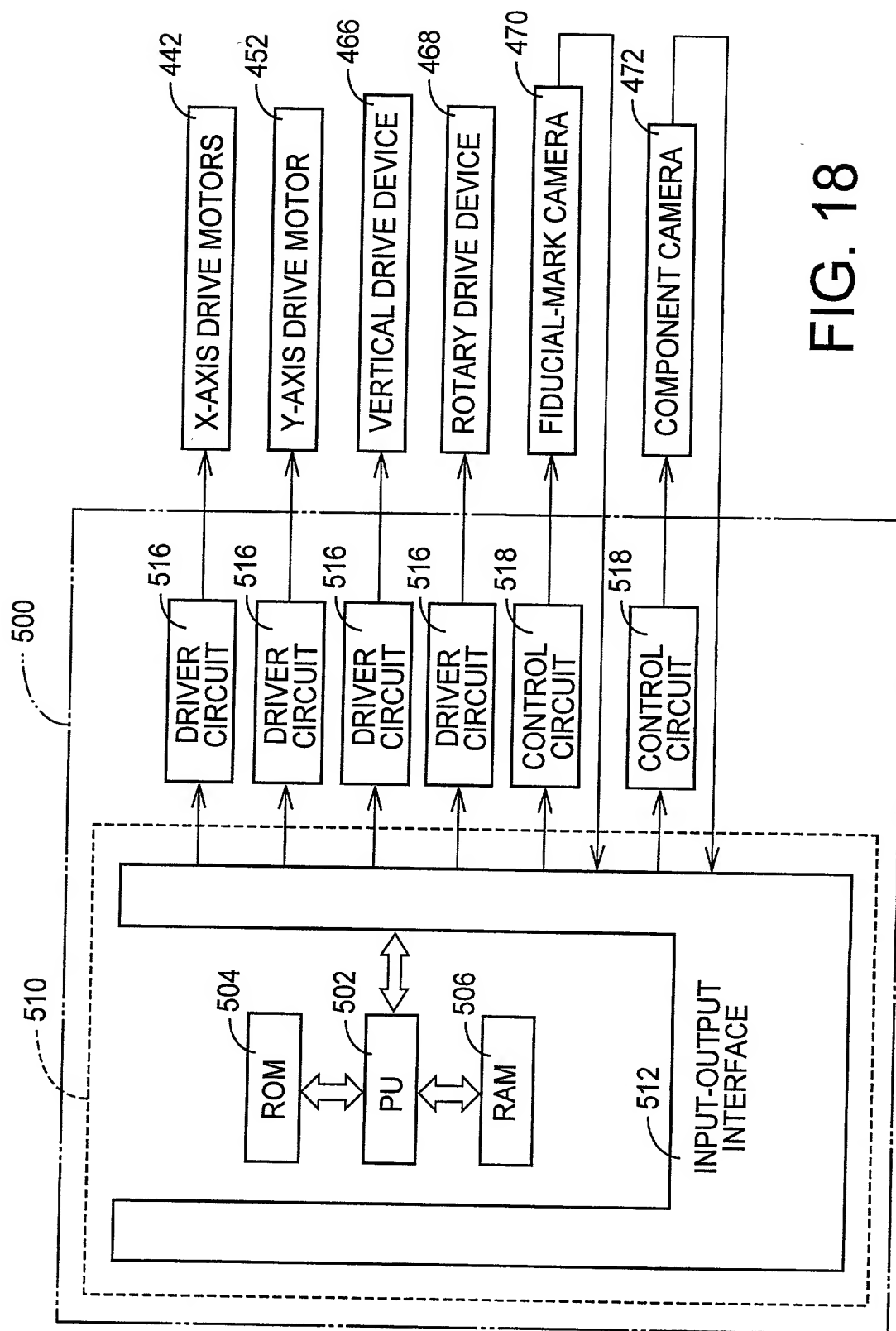


FIG. 18